

PUYALLUP RIVER BASIN

1

12098000 MUD MOUNTAIN LAKE NEAR BUCKLEY, WA

LOCATION.--Lat 47°08'27", long 121°55'48", in NE 1/4 NE 1/4 sec.17, T.19 N., R.7 E., Pierce County, Hydrologic Unit 17110014, on left bank of reservoir just upstream from Mud Mountain Dam on White River, 5 mi southeast of Buckley, 5.6 mi downstream from Clearwater River, and at mile 29.7.

DRAINAGE AREA.--400 mi².

PERIOD OF RECORD.--October 1943 to current year. Daily contents at 0800 hours only October 1944 to September 1987. Monthend contents only October 1943 to September 1944, published in WSP 1316. Prior to October 1970, published as Mud Mountain Reservoir near Buckley.

GAGE.--Nonrecording gage. Datum of gage is sea level (levels by Corps of Engineers).

REMARKS.--Lake, for flood control, is formed by earthfill dam. Embankment completed and storage began on small scale in 1942. Capacity, 106,000 acre-ft between elevations 895 ft, invert of outlet tunnel, and 1,215 ft, spillway crest. Storage is dissipated as soon after a flood as is possible, without creating damaging flows downstream, in order to have the maximum capacity available for any following flood which might develop.

COOPERATION.--Records of lake elevations and capacity table furnished by Corps of Engineers (revised by U.S.G.S. below 917 ft). Table uncertain below about 970 ft, due to siltation. Mud Mountain Lake is considered to have no appreciable storage below 917 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed since dam was completed, 89,245 acre-ft Feb. 9, 1996, elevation, 1,196.1 ft; no contents at times in some years.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 21,287 acre-ft Nov. 26, 27, elevation, 1,081.3 ft; no contents many days during the year.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 0800 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	2294	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	153	.00	161	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	97	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	186	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	214	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	249	.00	.00	.00
7	.00	.00	162	.00	.00	.00	.00	.00	162	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	246	.00	.00	.00
9	---	.00	.00	.00	.00	.00	.00	.00	170	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	105	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	186	368	.00	.00	.00	.00	.00	416	.00	.00	.00
13	.00	8806	169	.00	.00	.00	.00	.00	2187	.00	.00	.00
14	.00	8078	123	.00	.00	.00	117	.00	1892	.00	.00	.00
15	.00	1924	128	.00	.00	.00	121	.00	3041	.00	.00	.00
16	.00	112	6547	.00	.00	.00	103	.00	3989	.00	.00	.00
17	.00	99	4495	.00	.00	.00	.00	.00	3261	.00	.00	.00
18	.00	.00	1792	.00	.00	.00	.00	.00	3426	.00	.00	.00
19	.00	.00	519	.00	.00	.00	101	93	1283	.00	.00	.00
20	.00	.00	179	.00	.00	.00	98	168	491	.00	.00	.00
21	.00	.00	2187	.00	.00	.00	.00	200	319	.00	.00	.00
22	.00	.00	3828	.00	.00	.00	96	821	378	.00	.00	.00
23	.00	.00	2581	.00	.00	.00	.00	1023	238	.00	.00	.00
24	.00	.00	---	.00	.00	.00	.00	641	164	.00	.00	.00
25	.00	---	---	.00	.00	.00	.00	292	141	.00	.00	.00
26	.00	21287	129	.00	.00	.00	.00	130	112	.00	.00	.00
27	.00	21287	116	.00	.00	.00	.00	181	138	.00	.00	.00
28	.00	20408	121	.00	.00	.00	.00	185	194	.00	.00	.00
29	.00	16721	.00	.00	.00	.00	.00	136	249	.00	.00	.00
30	.00	10448	.00	.00	---	.00	.00	.00	122	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	103	---	.00	.00	---
MAX	.00	21287	6547	.00	161	.00	121	1023	3989	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(††)	901.6	1002.6	909.9	907.2	905.1	904.8	906.6	914.7	918.2	906.0	902.1	928.9
(†)	0	4092	0	0	0	0	0	0	96	0	0	178
(‡)	0	+4092	-4092	0	0	0	0	0	+96	-96	0	+178

CAL YR 1999 AC-FT‡ -15431

WTR YR 2000 AC-FT‡ +178

†† Monthend elevation, in feet, at 2400 hours.

† Monthend contents, in acre-feet.

‡ Change in contents, in acre-feet.